Richard Averitt

List of Publications by Year
in descending order

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263 papers	23,172 citations	17440 63 h-index	7745 150 g-index
269 all docs	269 docs citations	269 times ranked	16626 citing authors

#	Article	IF	Citations
1	On-demand terahertz surface wave generation with microelectromechanical-system-based metasurface. Optica, 2022, 9, 17.	9.3	15
2	Decoupling of static and dynamic criticality in a driven Mott insulator. Communications Physics, 2022, 5, .	5.3	5
3	Imaging with metamaterials. Nature Reviews Physics, 2022, 4, 85-100.	26.6	64
4	Broadband Terahertz Silicon Membrane Metasurface Absorber. ACS Photonics, 2022, 9, 1150-1156.	6.6	32
5	Interlayer magnetophononic coupling in MnBi2Te4. Nature Communications, 2022, 13, 1929.	12.8	22
6	Generalized Fresnel-Floquet equationsÂfor driven quantum materials. Physical Review B, 2022, 105, .	3.2	9
7	Hyperbolic Cooper-Pair Polaritons in Planar Graphene/Cuprate Plasmonic Cavities. Nano Letters, 2021, 21, 308-316.	9.1	13
8	Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620.	12.6	58
9	Structural tuning of nonlinear terahertz metamaterials using broadside coupled split ring resonators. AIP Advances, 2021, 11, .	1.3	3
10	Tunable Toroidal Response in a Reconfigurable Terahertz Metamaterial. Advanced Optical Materials, 2021, 9, 2101215.	7.3	12
11	Nanotextured Dynamics of a Light-Induced Phase Transition in VO₂. Nano Letters, 2021, 21, 9052-9060.	9.1	14
12	Tunable Toroidal Response in a Reconfigurable Terahertz Metamaterial (Advanced Optical Materials) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.3	0
13	Ultrafast broadband tuning of InAs THz plasmonic arrays. , 2021, , .		0
14	Optically tunable broadband terahertz dielectric membrane metasurface absorber. , 2021, , .		0
15	THz Strong Coupling Between Metamaterials and Superconducting Josephson Plasmons. , 2021, , .		0
16	Multi-messenger nanoprobes of hidden magnetism in a strained manganite. Nature Materials, 2020, 19, 397-404.	27.5	59
17	Femtosecond exciton dynamics in WSe2 optical waveguides. Nature Communications, 2020, 11, 3567.	12.8	31
18	Influence of spin and orbital fluctuations on Mott-Hubbard exciton dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaVO</mml:mi><mml:mn>3</mml:mn></mml:msub></m thin films. Physical Review B, 2020, 102, .	3.2	15

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19	Magnetoelastic coupling to coherent acoustic phonon modes in the ferrimagnetic insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Gd</mml:mi><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	3.2	6
20	Nucleation and Growth Bottleneck in the Conductivity Recovery Dynamics of Nickelate Ultrathin Films. Nano Letters, 2020, 20, 7422-7428.	9.1	5
21	Ultrafast Enhancement of Ferromagnetic Spin Exchange Induced by Ligand-to-Metal Charge Transfer. Physical Review Letters, 2020, 125, 197203.	7.8	15
22	Ultrathin Terahertz Triple-Band Metamaterial Absorbers: Consideration of Interlayer Coupling. Physical Review Applied, 2020, 14, .	3.8	15
23	Broadband electrically tunable VO₂â€'Metamaterial terahertz switch with suppressed reflection. Microwave and Optical Technology Letters, 2020, 62, 2782-2790.	1.4	14
24	On-chip terahertz modulation and emission with integrated graphene junctions. Applied Physics Letters, 2020, 116, .	3.3	13
25	Terahertz investigation of bound states in the continuum of metallic metasurfaces. Optica, 2020, 7, 1548.	9.3	108
26	Structurally Tunable Nonlinear Terahertz Metamaterials. , 2020, , .		0
27	Strong Metasurfaceâ€"Josephson Plasma Resonance Coupling in Superconducting La 2â^' x Sr x CuO 4. Advanced Optical Materials, 2019, 7, 1900712.	7.3	9
28	Optically Tunable All-Dielectric Broadband Terahertz Metamaterial Perfect Absorber. , 2019, , .		3
29	A High Sensitivity Microfluidic Channel Enabled Terahertz Metamaterial Absorber For Sensing And Detectio. , 2019, , .		0
30	Integrated Air Spaced Terahertz Metamaterial Absorber with High Quality Factor. , 2019, , .		1
31	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. ACS Photonics, 2019, 6, 830-837.	6.6	161
32	Real-time tunable phase response and group delay in broadside coupled split-ring resonators. Physical Review B, 2019, 99, .	3.2	22
33	Quasiparticle relaxation dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>URu</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2019, 99, .	3.2	1
34	Ultrafast quasiparticle dynamics in the correlated semimetal Ca3Ru2O7. Physical Review B, 2019, 99, .	3.2	8
35	Photoenhanced metastable c-axis electrodynamics in stripe-ordered cuprate La _{1.885} Ba _{0.115} CuO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19875-19879.	7.1	51
36	Dynamics of a Persistent Insulator-to-Metal Transition in Strained Manganite Films. Physical Review Letters, 2019, 123, 267201.	7.8	16

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37	A survey of theoretical models for terahertz electromagnetic metamaterial absorbers. Sensors and Actuators A: Physical, 2019, 287, 21-28.	4.1	52
38	Ultrafast terahertz spectroscopy study of a Kondo insulating thin-film <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> : Evidence for an emergent surface state. Physical Review B, 2018, 97, .	3.2	7
39	Phototunable Dielectric Huygens' Metasurfaces. Advanced Materials, 2018, 30, e1800278.	21.0	89
40	Identifying the perfect absorption of metamaterial absorbers. Physical Review B, 2018, 97, .	3.2	54
41	Ultrafast terahertz field control of electronic and structural interactions in vanadium dioxide. Physical Review B, 2018, 98, .	3.2	49
42	Electromechanically tunable metasurface transmission waveplate at terahertz frequencies. Optica, 2018, 5, 303.	9.3	134
43	Analysis of the thickness dependence of metamaterial absorbers at terahertz frequencies. Optics Express, 2018, 26, 2242.	3.4	48
44	An air-spaced terahertz metamaterial perfect absorber. Sensors and Actuators A: Physical, 2018, 280, 303-308.	4.1	21
45	Terahertz metamaterial perfect absorber with continuously tunable air spacer layer. Applied Physics Letters, 2018, 113, .	3.3	42
46	Properties of dynamical electromagnetic metamaterials. Journal of Optics (United Kingdom), 2017, 19, 084003.	2.2	9
47	Towards properties on demand in quantum materials. Nature Materials, 2017, 16, 1077-1088.	27.5	560
48	Ultrafast electron-lattice coupling dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films. Physical Review B, 2017, 96, .	3.2	32
49	An air-spacer terahertz metamaterial perfect absorber for sensing and detection applications. , 2017, , .		3
50	A three-dimensional all-metal terahertz metamaterial perfect absorber. Applied Physics Letters, 2017, 111, .	3.3	75
51	Artifact free time resolved near-field spectroscopy. Optics Express, 2017, 25, 28589.	3.4	30
52	Terahertz saturable absorption in superconducting metamaterials. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2649.	2.1	15
53	Cooperative photoinduced metastable phase control in strained manganite films. Nature Materials, 2016, 15, 956-960.	27.5	118
54	Voltage-tunable dual-layer terahertz metamaterials. Microsystems and Nanoengineering, 2016, 2, 16025.	7.0	79

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55	Nonlinear terahertz metamaterial perfect absorbers using GaAs [Invited]. Photonics Research, 2016, 4, A16.	7.0	67
56	Nonlinear terahertz devices utilizing semiconducting plasmonic metamaterials. Light: Science and Applications, 2016, 5, e16078-e16078.	16.6	65
57	Phase transition in bulk single crystals and thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>by Dynamic conductivity scaling in photoexcited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>thin films. Physical Review B, 2015, 92, .	3.2	88
58	Infrared Pump-Probe Spectroscopy of Plasmons in Graphene and Semiconductors. Microscopy and Microanalysis, 2015, 21, 1415-1416.	0.4	1
59	Terahertz radiation-induced sub-cycle field electron emission across a split-gap dipole antenna. Applied Physics Letters, 2015, 107, .	3.3	23
60	THz materials discovery and integration: The search for novel functionality. , 2015, , .		0
61	Spin-dependent polaron formation dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Eu</mml:mi><mml:mrow><mml:mn>0.75</mml:mn> mathvariant="normal">Y</mml:mi><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>MnO</mml:mi> by femtosecond pump-probe spectroscopy. Physical Review B, 2015, 91, .	3.2	17
62	Optically tunable metamaterial perfect absorber on highly flexible substrate. Sensors and Actuators A: Physical, 2015, 231, 74-80.	4.1	65
63	Visualization of guided and leaky wave behaviors in an indium tin oxide metallic slab waveguide. Optics Express, 2015, 23, 14876.	3.4	1
64	A review of non-linear terahertz spectroscopy with ultrashort tabletop-laser pulses. Journal of Modern Optics, 2015, 62, 1447-1479.	1.3	119
65	Electric and Magnetic Responses in Nonlinear Terahertz Metamaterials. , 2014, , .		0
66	Symmetry breaking and geometric confinement in VO2: Results from a three-dimensional infrared nano-imaging. Applied Physics Letters, 2014, 104, 121905.	3.3	36
67	Voltage switching of a VO2 memory metasurface using ionic gel. Applied Physics Letters, 2014, 105, .	3.3	60
68	Optically Modulated Multiband Terahertz Perfect Absorber. Advanced Optical Materials, 2014, 2, 1221-1226.	7.3	94
69	Ultrafast Dynamics of Surface Plasmons in InAs by Time-Resolved Infrared Nanospectroscopy. Nano Letters, 2014, 14, 4529-4534.	9.1	92
70	Structural control of metamaterial oscillator strength and electric field enhancement at terahertz frequencies. Applied Physics Letters, 2014, 105, .	3.3	20
71	Towards Dynamic, Tunable, and Nonlinear Metamaterials via Near Field Interactions: A Review. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 709-723.	2.2	33
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73	Anisotropic Electronic State via Spontaneous Phase Separation in Strained Vanadium Dioxide Films. Physical Review Letters, 2013, 111, 096602.	7.8	122
74	Optically Tunable Terahertz Metamaterials on Highly Flexible Substrates. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 702-708.	3.1	61
75	Getting current pulses under control. Nature Nanotechnology, 2013, 8, 232-233.	31.5	4
76	Three-dimensional broadband tunable terahertz metamaterials. Physical Review B, 2013, 87, .	3.2	93
77	Nonlinear Terahertz Metamaterials via Field-Enhanced Carrier Dynamics in GaAs. Physical Review Letters, 2013, 110, 217404.	7.8	105
78	Metamaterial-based Terahertz Detectors. , 2013, , .		0
79	Decoupling crossover in asymmetric broadside coupled split-ring resonators at terahertz frequencies. Physical Review B, 2013, 88, .	3.2	15
80	An optically tunable terahertz perfect absorber. , 2013, , .		0
81	Flexible and tunable metamaterials at terahertz frequencies. , 2013, , .		1
82	Metamaterial-Enhanced Nonlinear Responses in Semiconductors as a THz Detection Platform. , 2013, , .		0
83	Three-dimensional magnetic terahertz metamaterials using a multilayer electroplating technique. Journal of Micromechanics and Microengineering, 2012, 22, 045011.	2.6	4
84	Time-resolved imaging of near-fields in THz antennas and direct quantitative measurement of field enhancements. Optics Express, 2012, 20, 8551.	3.4	55
85	THz near-field Faraday imaging in hybrid metamaterials. Optics Express, 2012, 20, 11277.	3.4	54
86	Flexible metamaterial absorbers for stealth applications at terahertz frequencies. Optics Express, 2012, 20, 635.	3.4	308
87	Single-layer terahertz metamaterials with bulk optical constants. Physical Review B, 2012, 85, .	3.2	22
88	THz spectroscopy of VO₂epitaxial films: controlling the anisotropic properties through strain engineering. New Journal of Physics, 2012, 14, 083026.	2.9	46
89	Terahertz polarimetry based on metamaterial devices. , 2012, , .		1
90	Terahertz-field-induced insulator-to-metal transition in vanadium dioxide metamaterial. Nature, 2012, 487, 345-348.	27.8	1,046

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91	Silkâ€Based Conformal, Adhesive, Edible Food Sensors. Advanced Materials, 2012, 24, 1067-1072.	21.0	335
92	A tunable 3D terahertz metamaterial. , 2011, , .		0
93	Orientation Dependent Far-Infrared Terahertz Absorptions in Single Crystal Pentaerythritol Tetranitrate (PETN) Using Terahertz Time-Domain Spectroscopy. Journal of Physical Chemistry A, 2011, 115, 439-442.	2.5	13
94	Metamaterial based terahertz detector. , 2011, , .		1
95	Direct measurement of the THz near-magnetic field of metamaterial elements. , 2011, , .		0
96	Large strain-induced conductivity anisotropy in VO<inf>2</inf> thin films, probed by THz spectroscopy. , 2011, , .		0
97	Frequency tunable terahertz metamaterials using broadside coupled split-ring resonators. Physical Review B, 2011, 83, .	3.2	77
98	Broadband tunable 3D metamaterials at terahertz frequencies. , 2011, , .		0
99	Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region. , 2011, , .		2
100	“Bottom-up” three-dimensional metamaterials at terahertz frequencies. , 2011, , .		0
101	High speed terahertz modulation from metamaterials with embedded high electron mobility transistors. Optics Express, 2011, 19, 9968.	3.4	194
102	Stand-up magnetic metamaterials at terahertz frequencies. Optics Express, 2011, 19, 12619.	3.4	79
103	Microwave and terahertz wave sensing with metamaterials. Optics Express, 2011, 19, 21620.	3.4	127
104	A stamp of quality. Nature Nanotechnology, 2011, 6, 396-397.	31.5	1
105	Extremely Thin Metamaterial as Slab Waveguide at Terahertz Frequencies. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 441-449.	3.1	19
106	Terahertz Metamaterials: Recent Developments and New Opportunities. , 2011, , .		0
107	Electrodynamics of correlated electron materials. Reviews of Modern Physics, 2011, 83, 471-541.	45.6	633
108	Recent Progress in Electromagnetic Metamaterial Devices for Terahertz Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 92-101.	2.9	158

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109	MEMS Based Structurally Tunable Metamaterials at Terahertz Frequencies. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 580-595.	2.2	89
110	Rapid Transferâ€Based Micropatterning and Dry Etching of Silk Microstructures. Advanced Materials, 2011, 23, 2015-2019.	21.0	47
111	Metamaterials on Paper as a Sensing Platform. Advanced Materials, 2011, 23, 3197-3201.	21.0	210
112	ELECTROMAGNETIC COMPOSITE-BASED REFLECTING TERAHERTZ WAVEPLATES. International Journal of High Speed Electronics and Systems, 2011, 20, 583-588.	0.7	3
113	Photoinduced Phase Transitions by Time-Resolved Far-Infrared Spectroscopy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2011, 107, 066403.	7.8	53
114	Time-resolved quasiparticle dynamics of the itinerant antiferromagnet UPtGa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	9
115	Ultrafast optical manipulation of pseudogap dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>using ultrafast optical spectroscopy. Physical Review B, 2011, 84, .	3.2	32
116	Tunable Terahertz 3D Metamaterials. , 2011, , .		0
117	The Optical Properties of Metals. , 2011, , 79-108.		0
118	External modulators for TeraHertz Quantum Cascade Lasers based on electrically-driven active metamaterials. Metamaterials, 2010, 4, 83-88.	2.2	16
119	Metamaterial Silk Composites at Terahertz Frequencies. Advanced Materials, 2010, 22, 3527-3531.	21.0	102
120	Silk Metamaterials: Metamaterial Silk Composites at Terahertz Frequencies (Adv. Mater. 32/2010). Advanced Materials, 2010, 22, n/a-n/a.	21.0	0
121	Dynamics of broken symmetry. Nature Physics, 2010, 6, 639-640.	16.7	6
122	Gold nanoparticle-doped biocompatible silk films as a path to implantable thermo-electrically wireless powering devices. Applied Physics Letters, 2010, 97, 123702.	3.3	24
123	Metamaterials on parylene thin film substrates: Design, fabrication, and characterization at terahertz frequency. Applied Physics Letters, 2010, 96, 011906.	3.3	64
124	Performance enhancement of terahertz metamaterials on ultrathin substrates for sensing applications. Applied Physics Letters, 2010, 97, .	3.3	158
125	A dual band terahertz metamaterial absorber. Journal Physics D: Applied Physics, 2010, 43, 225102.	2.8	424
126	Conductivity Dynamics in the Correlated Metallic State of V2O3. , 2010, , .		0

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127	3D Stand-up Metamaterials With A Purely Magnetic Resonance At Terahertz Frequencies. , 2010, , .		1
128	Flexible Wide Angle Terahertz Resonant Absorber Based On Perfectly Impedance Matched Metamaterials. , 2009, , .		0
129	Effect of nonuniform continuum density of states on a Fano resonance in semiconductor quantum wells. Physical Review B, 2009, 80, .	3.2	1
130	Large-area metamaterials on thin membranes for multilayer and curved applications at terahertz and higher frequencies. Applied Physics Letters, 2009, 94, 161113.	3.3	42
131	Morphology Effectively Controls Singlet-Triplet Exciton Relaxation and Charge Transport in Organic Semiconductors. Physical Review Letters, 2009, 102, 017401.	7.8	213
132	Polarization orientation dependence of the far infrared spectra of oriented single crystals of 1,3,5-trinitro-S-triazine (RDX) using terahertz timeâ€“domain spectroscopy. Analytical and Bioanalytical Chemistry, 2009, 395, 315-322.	3.7	16
133	A metamaterial solid-state terahertz phase modulator. Nature Photonics, 2009, 3, 148-151.	31.4	864
134	Photoexcited carrier relaxation dynamics in pentacene probed by ultrafast optical spectroscopy: Influence of morphology on relaxation processes. Physica B: Condensed Matter, 2009, 404, 3127-3130.	2.7	23
135	Comparison of birefringent electric split-ring resonator and meanderline structures as quarter-wave plates at terahertz frequencies. Optics Express, 2009, 17, 136.	3.4	161
136	Terahertz metamaterials. , 2009, , .		1
137	Reconfigurable Terahertz Metamaterials. Physical Review Letters, 2009, 103, 147401.	7.8	446
138	Dynamic investigations of multiferroics: Terahertz and beyond. Journal of Physics: Conference Series, 2009, 148, 012037.	0.4	0
139	Flexible Terahertz Metamaterials On Polyimide Substrates. , 2009, , .		0
140	Dynamic Metamaterials at Terahertz Frequencies. Springer Series in Chemical Physics, 2009, , 645-647.	0.2	0
141	A Broadband Terahertz Metamaterial Electrical Modulator. , 2009, , .		0
142	External Modulation of Terahertz Quantum Cascade Lasers Using Electrically-Driven Active Metamaterials. , 2009, , .		0
143	Probing nanoscale inhomogeneities in transition metal oxides with ultrafast mid-infrared spectroscopy. Physica B: Condensed Matter, 2008, 403, 1401-1403.	2.7	0
144	Flexible terahertz metamaterials: towards a terahertz metamaterial invisible cloak. , 2008, , .		10

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145	Experimental demonstration of frequency-agile terahertz metamaterials. Nature Photonics, 2008, 2, 295-298.	31.4	765
146	Quasiparticles undressed. Nature Physics, 2008, 4, 14-15.	16.7	1
147	Detection of Coherent Magnons via Ultrafast Pump-Probe Reflectance Spectroscopy in Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>0.6</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn>1.4</mml:mn></mml:msub><mml:msub><mml:mi>Zn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>22</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 037603.	7.8	20
148	Ultrafast carrier dynamics in an InAs/InGaAs quantum dots-in-a-well heterostructure. Optics Express, 2008, 16, 1165.	3.4	19
149	A metamaterial absorber for the terahertz regime: design, fabrication and characterization. Optics Express, 2008, 16, 7181.	3.4	1,243
150	Electronic control of extraordinary terahertz transmission through subwavelength metal hole arrays. Optics Express, 2008, 16, 7641.	3.4	119
151	Planar wallpaper group metamaterials for novel terahertz applications. Optics Express, 2008, 16, 18565.	3.4	124
152	Magnetic Exchange Interaction between Rare-Earth and Mn Ions in Multiferroic Hexagonal Manganites. Physical Review Letters, 2008, 101, 247601.	7.8	36
153	Hybrid metamaterials enable fast electrical modulation of freely propagating terahertz waves. Applied Physics Letters, 2008, 93, .	3.3	124
154	Metamaterials for the terahertz gap. , 2008, , .		0
155	Terahertz Metamaterials on Thin Silicon Nitride Membranes. Materials Research Society Symposia Proceedings, 2008, 1077, 71801.	0.1	3
156	Tailoring the Spectra of Terahertz Emission from CdTe and ZnTe Electro-Optic Crystals. Japanese Journal of Applied Physics, 2008, 47, 202-204.	1.5	5
157	Highly flexible wide angle of incidence terahertz metamaterial absorber: Design, fabrication, and characterization. Physical Review B, 2008, 78, .	3.2	749
158	Optically induced lattice dynamics probed with ultrafast x-ray diffraction. Physical Review B, 2008, 77, .	3.2	11
159	Three envelope approach for ultrafast pulse characterization in a pump-probe experiment. Applied Physics Letters, 2008, 92, 061111.	3.3	1
160	Carrier dynamics in InGaAs with embedded ErAs nanoislands. Applied Physics Letters, 2008, 93, 121108.	3.3	37
161	Coupling between an Optical Phonon and the Kondo Effect. Physical Review Letters, 2008, 100, 026409.	7.8	29
162	Terahertz metamaterials on free-standing highly-flexible polyimide substrates. Journal Physics D: Applied Physics, 2008, 41, 232004.	2.8	140

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163	Active Terahertz Metamaterial Devices. , 2008, , .		103
164	Flexible, large-area metamaterials fabricated on thin silicon nitride membranes. , 2008, , .		2
165	Electronically switchable extraordinary terahertz transmission through metallic hole arrays fabricated on a semiconductor substrate. , 2008, , .		0
166	Properties of Novel Terahertz Electric Metamaterials. , 2007, , .		1
167	Giant magnetoelastic effect in multiferroic Ba0.6Sr1.4Zn2Fe12O22. , 2007, , .		0
168	Active metamaterials: A novel approach to manipulate terahertz waves. , 2007, , .		0
169	Terahertz metamaterials for active, tunable, and dynamic devices. , 2007, , .		2
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